situation in which the external object 120 is touching the sensor surface in a location in which the symbol 111 is being displayed.

[0046] In a user interface according to an embodiment of the invention the processor unit 105 is capable of controlling the electronic device to execute a function related to the symbol 111 as a response to a situation in which the strength of the force directed to the sensor surface exceeds a predetermined limit value and the force is directed to the sensor surface in the location in which the symbol is being displayed. [0047] In a user interface according to an embodiment of the invention the processor unit 105 is arranged to change the symbol 111 displayed on the sensor surface from a nonselected state to a selected-to-move state and to move a position of the symbol on the sensor surface 102 as a response to a situation in which the external object 120 is touching the sensor surface in a location in which the symbol is being displayed and the external object is being moved on the sensor surface. The symbol is moved along with the external object. After moving, the symbol can be returned back to the non-selected state as a response to e.g. a situation in which the sensor surface is no more pressed.

[0048] In a user interface according to an embodiment of the invention the force sensor equipment comprises an acceleration sensor. The processor unit 105 is arranged to perform a control action, for example to change the symbol from the selected-to-move state to the non-selected state, as a response to a situation in which the acceleration is detected to exceed a pre-determined limit e.g. when the electronic device is shaken.

[0049] In a user interface according to an embodiment of the invention the processor unit 105 is arranged to modify visual information shown on the sensor surface 102 as a response to a situation in which the force directed to the sensor surface exceeds a pre-determined limit. The modification of the visual information can be used as a feedback from the electronic device to the user, said feedback indicating that the device has received a control action from the user.

[0050] A user interface according to an embodiment of the invention comprises a vibration generator 107 that is arranged to produce mechanical vibration. The processor unit 105 is arranged to activate the vibration generator to produce mechanical vibration as a response to a situation in which the force directed to the sensor surface exceeds a pre-determined limit. The mechanical vibration can be used as a feedback from the electronic device to the user, said feedback indicating that the device has received a control action from the user. [0051] In a user interface according to an embodiment of the invention the processor unit 105 is arranged to modify visual information shown on the sensor surface 102 as a response to a situation in which the force directed to the sensor surface exceeds a first pre-determined limit and to activate the vibration generator 107 to produce mechanical vibration as a response to a situation in which the force directed to the sensor surface exceeds a second pre-determined limit. The user of the electronic device can get different feedbacks corresponding to different levels of the force.

[0052] FIG. 2a shows an electronic device 200 comprising a user interface according to an embodiment of the invention. FIG. 2b shows the A-A section view of the electronic device. The user interface of the electronic device comprises a sensor element 201 that has a sensor surface 202. The sensor element is arranged to form a location indicator that is adapted to indicate a location of a spot of the sensor surface that is closest

to an external object 220. The location indicator can express, for example, x- and y-coordinates of the spot closest to the external object. The sensor surface can be a touch sensitive sensor surface, a capacitive sensor surface, or a combined capacitive and touch sensitive sensor surface. The user interface comprises a force sensor equipment arranged to form a first force indicator that is adapted to indicate strength of a force directed to the sensor surface and a second (another) force indicator arranged to indicate a temporal change of a force directed to another surface of the electronic device than the sensor surface 202. The force sensor equipment comprises a force sensor 203 that is arranged to detect the force directed to the sensor surface, and a force sensor 233 that is arranged to detect a temporal change of the force directed to the other surface 208 of the electronic device. In the embodiment of the invention shown in FIGS. 2a and 2b, the abovementioned other surface of the electronic device is the surface on the opposite side of the electronic device with respect to the sensor surface. The other surface could as well be a side surface 206 of the electronic device or a butt-end surface 206' of the electronic device. The user interface comprises a processor unit 205 that is capable of controlling the electronic device on the basis of the location indicator, the first force indicator, and the second force indicator. The user interface comprises a display screen 231 with the aid of which visual information can be shown.

[0053] In a user interface according to an embodiment of the invention the sensor surface 202 is a capacitive sensor surface and the processor unit 205 is arranged to move a cursor 213 on the display screen as a response to a situation in which a distance between the external object 220 and the sensor surface is less than a pre-determined limit value and the external object is moved in the xy-plane. The cursor is moved on the display screen according to movements of the external object in the xy-plane. The processor unit 205 is arranged to highlight a symbol 211 displayed on the display screen as a response to a situation in which the external object 220 touches the sensor surface and the cursor 213 is pointing to the symbol. In other words, a symbol pointed to by the cursor can be selected for further actions by touching the sensor screen. The processor unit 205 is arranged to move the symbol 211 on the display screen as a response to a situation in which the external object touches the sensor surface, the cursor 213 is pointing to the symbol, and the external object is moved on the sensor surface. The processor unit 205 is capable of controlling the electronic device to execute a function related to the symbol 211 as a response to a situation in which the strength of the force directed to the sensor surface exceeds a pre-determined limit value (e.g. 0.3 N) and the cursor 213 is pointing to the symbol.

[0054] In a user interface according to an embodiment of the invention the sensor surface 202 is a touch sensitive sensor surface and the processor unit 205 is arranged to move a cursor 213 on the display screen as a response to a situation in which the external object 220 touches the sensor surface and the external object is moved on the sensor surface. The cursor is moved on the display screen according to movements of the external object on the sensor surface. The processor unit 205 is arranged to highlight a symbol 211 displayed on the display screen as a response to a situation in which the strength of the force directed to the sensor surface exceeds a first pre-determined limit value (e.g. 0.3 N) and the cursor 213 is pointing to the symbol. In other words, a symbol pointed to by the cursor can be selected for further actions by pressing the